

GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: March 14, 2003, 09:27:15 ; Search time 14.4509 Seconds  
(Without alignments)  
2124.243 Million cell updates/sec

Title: US-09-836-077-3  
Perfect score: 3615  
Sequence: 1 MPEPPGRAPASAPRAHVPG.....LAASLMGLVLTITLGLVH 666

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Archived: 199416 seqs, 46092074 residues

Total number of hits satisfying chosen parameters: 199416

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_MA:\*

1: /cgn2-6/ptodata/2/pubpaa/US08\_NEW\_PUB pep: \*  
2: /cgn2-6/ptodata/2/pubpaa/PCR\_NEW\_PUB pep: \*  
3: /cgn2-6/ptodata/2/pubpaa/US06\_NEW\_PUB pep: \*  
4: /cgn2-6/ptodata/2/pubpaa/US06\_PUBCOMB pep: \*  
5: /cgn2-6/ptodata/2/pubpaa/US07\_NEW\_PUB pep: \*  
6: /cgn2-6/ptodata/2/pubpaa/US07\_PUBCOMB pep: \*  
7: /cgn2-6/ptodata/2/pubpaa/US08\_PUBCOMB pep: \*  
8: /cgn2-6/ptodata/2/pubpaa/US08\_PUBCOMB pep: \*  
9: /cgn2-6/ptodata/2/pubpaa/US09\_NEW\_PUB pep: \*  
10: /cgn2-6/ptodata/2/pubpaa/US09\_PUBCOMB pep: \*  
11: /cgn2-6/ptodata/2/pubpaa/US10\_NEW\_PUB pep: \*  
12: /cgn2-6/ptodata/2/pubpaa/US10\_PUBCOMB pep: \*  
13: /cgn2-6/ptodata/2/pubpaa/US60\_NEW\_PUB pep: \*  
14: /cgn2-6/ptodata/2/pubpaa/US60\_PUBCOMB pep: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3615	100.0	666	10 US-09-836-077-3	Sequence 3, Appli
2	3615	100.0	666	10 US-09-764-587A-2	Sequence 2, Appli
3	3443	95.2	634	9 US-09-771-467C-2	Sequence 4, Appli
4	1897	52.5	394	10 US-09-836-077-4	Sequence 4, Appli
5	1345.5	37.2	606	9 US-09-771-467C-4	Sequence 4, Appli
6	1029	28.5	215	10 US-09-764-587A-4	Sequence 4, Appli
7	680.5	18.8	893	9 US-09-908-193-45	Sequence 45, Appl
8	674.5	18.7	837	9 US-10-174-590-454	Sequence 45, App
9	674.5	18.7	837	9 US-10-176-758-454	Sequence 45, App
10	674.5	18.7	837	9 US-10-175-737-454	Sequence 45, App
11	674.5	18.7	837	9 US-10-173-706-454	Sequence 45, App
12	674.5	18.7	837	9 US-10-175-738-454	Sequence 45, App
13	674.5	18.7	837	9 US-10-175-752-454	Sequence 45, App
14	674.5	18.7	837	9 US-10-176-482-454	Sequence 45, App
15	674.5	18.7	837	9 US-10-176-757-454	Sequence 45, App
16	674.5	18.7	837	9 US-10-176-913-454	Sequence 45, App
17	674.5	18.7	837	9 US-10-180-552-454	Sequence 45, App
18	674.5	18.7	837	9 US-10-180-557-454	Sequence 45, App
19	674.5	18.7	837	9 US-10-173-700-454	Sequence 45, App

20	674.5	18.7	837	9	US-10-174-572-454	Sequence 45, App
21	674.5	18.7	837	9	US-10-174-579-454	Sequence 45, App
22	674.5	18.7	837	9	US-10-174-582-454	Sequence 45, App
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24	674.5	18.7	837	9	US-10-175-739-454	Sequence 45, App
25	674.5	18.7	837	9	US-10-175-740-454	Sequence 45, App
26	674.5	18.7	837	9	US-10-175-743-454	Sequence 45, App
27	674.5	18.7	837	9	US-10-176-488-454	Sequence 45, App
28	674.5	18.7	837	9	US-10-176-492-454	Sequence 45, App
29	674.5	18.7	837	9	US-10-176-747-454	Sequence 45, App
30	674.5	18.7	837	9	US-10-176-750-454	Sequence 45, App
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34	674.5	18.7	837	9	US-10-176-992-454	Sequence 45, App
35	674.5	18.7	837	9	US-10-176-993-454	Sequence 45, App
36	674.5	18.7	837	9	US-10-184-658-454	Sequence 45, App
37	674.5	18.7	837	9	US-10-173-695-454	Sequence 45, App
38	674.5	18.7	837	9	US-10-173-697-454	Sequence 45, App
39	674.5	18.7	837	9	US-10-173-705-454	Sequence 45, App
40	674.5	18.7	837	9	US-10-174-576-454	Sequence 45, App
41	674.5	18.7	837	9	US-10-174-585-454	Sequence 45, App
42	674.5	18.7	837	9	US-10-174-586-454	Sequence 45, App
43	674.5	18.7	837	9	US-10-175-747-454	Sequence 45, App
44	674.5	18.7	837	9	US-10-176-481-454	Sequence 45, App
45	674.5	18.7	837	9	US-10-176-485-454	Sequence 45, App

## ALIGNMENTS

RESULT 1  
US-09-836-077-3  
Sequence 3, Application US/09836077  
Patent No. US20020037851A1  
GENERAL INFORMATION:  
APPLICANT: FLECKENSTEIN, Bernhard  
ENSSER, Armin  
TITLE OF INVENTION: HUMAN SEMAPHORIN L (H-SEMA) AND  
CORRESPONDING SEMAPHORINS IN OTHER SPECIES  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Frommer Lawrence & Haug LLP  
STREET: 745 Fifth Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10151  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/836,077  
FILING DATE: 16-Apr-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lawrence, William F.  
REGISTRATION NUMBER: 28,029  
REFERENCE/DOCKET NUMBER: 514429-3647  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-588-0800  
TELEFAX: 212-588-0500  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 666 amino acids  
TYPE: amino acid  
STRANDEDNESS: n/a  
TOPOLOGY: linear  
MOLECULE TYPE: amino acid  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-836-077-3

Query Match	100.0%;	Score 3615;	DB 10;	Length 666;
Best Local Similarity	100.0%;	Pred. No. 5.2e-292;		
Matches 666;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	MTPPPGGAAPSAPARARVCGPARGLDRLRLLLMLMAAASAQGHRSRPRLEFAVWG	60
Db	1	MTPPPGGAAPSAPARARVCGPARGLDRLRLLLMLMAAASAQGHRSRPRLEFAVWG	60
QY	61	HVGODRVDFGOTEPHTVLFHEPGSSSVWVGGRGVYLFDEPEGKNASRVTVNGSTGSC	120
Db	61	HVGODRVDFGOTEPHTVLFHEPGSSSVWVGGRGVYLFDEPEGKNASRVTVNGSTGSC	120
QY	121	LDRKRCENYITLLERRSGLLACGTNARHPSCMWLVNGTVPRGEMGVAPEFSDENSLV	180
Db	121	LDRKRCENYITLLERRSGLLACGTNARHPSCMWLVNGTVPRGEMGVAPEFSDENSLV	180
QY	181	LFEQGEVSTIRKOEYNGKIRFRFRIRGESELYTSDVYMONPOEIKATVYHODAYDOKI	240
Db	181	LFEQGEVSTIRKOEYNGKIRFRFRIRGESELYTSDVYMONPOEIKATVYHODAYDOKI	240
QY	241	YFFREDNDPKNPEAPLVNSVPAOLCRDQGESLSVSKWNFFLKAMLVCSDAATKNF	300
Db	241	YFFREDNDPKNPEAPLVNSVPAOLCRDQGESLSVSKWNFFLKAMLVCSDAATKNF	300
QY	301	NRLDVFLLPPSGQWMDTRVYGVFNSPMWNSAVCVYSLGDIDKVFRTSLKGYHSSLPN	360
Db	301	NRLDVFLLPPSGQWMDTRVYGVFNSPMWNSAVCVYSLGDIDKVFRTSLKGYHSSLPN	360
QY	361	PRPCKLPDOOPITETTFPOVADRDEVAQORVEPMGPKLTPLFNHKNYQKVAVHRMASH	420
Db	361	PRPCKLPDOOPITETTFPOVADRDEVAQORVEPMGPKLTPLFNHKNYQKVAVHRMASH	420
QY	421	GETFHVLYLTDRGTIRKVVPEPGQDEHSFANIMEIOFFRRAAIQTMSLDAERKKLYVS	480
Db	421	GETFHVLYLTDRGTIRKVVPEPGQDEHSFANIMEIOFFRRAAIQTMSLDAERKKLYVS	480
QY	481	SQMEVSQVPLDLCEVYGGGCGHGLMSRDPYCGWQDGCISTYSSEKSVLOSINPAEPHKE	540
Db	481	SQMEVSQVPLDLCEVYGGGCGHGLMSRDPYCGWQDGCISTYSSEKSVLOSINPAEPHKE	540
QY	541	CPNPKPKAPLQKXSLAPNSRYVLSCPMESHSNATYSMRHEKNVQSCPEGHOSPNCILFTI	600
Db	541	CPNPKPKAPLQKXSLAPNSRYVLSCPMESHSNATYSMRHEKNVQSCPEGHOSPNCILFTI	600
QY	601	ENLTAQOYGHYFCEAOEGSYFREAQHQMLLPEDGIMAEHLHGACALAAISLMLGVPLTT	660
Db	601	ENLTAQOYGHYFCEAOEGSYFREAQHQMLLPEDGIMAEHLHGACALAAISLMLGVPLTT	660
QY	661	LGLLVH 666	
Db	661	LGLLVH 666	
RESULT 2			
US-09-764-587A-2			
Sequence 2, Application US/09764587A			
Patent No. US20020106722A1			
GENERAL INFORMATION:			
APPLICANT: David Michalovich			
APPLICANT: Philip David Hayes			
TITLE OF INVENTION: NOVEL COMPOUNDS			
FILE REFERENCE: GP-3003-D1			
CURRENT APPLICATION NUMBER: US/09/764,587A			
CURRENT FILING DATE: 2001-01-18			
PRIOR APPLICATION NUMBER: US 09/240,410			
PRIOR FILING DATE: 1999-01-29			
PRIOR APPLICATION NUMBER: EP 98300694.1			
PRIOR FILING DATE: 1999-01-30			
NUMBER OF SEQ. ID NOS: 4			
SOFTWARE: FastSeq for Windows Version 3.0			
SEQ ID NO 2			
LENGTH: 666			

	TYPE: PRT	ORGANISM: HOMO SAPIENS	US-09-764-587A-2
Query Match	100.0%;	Score 3615;	DB 10;
Best Local Similarity	100.0%;	Pred. No. 5.2e-292;	
Matches 666;	Conservative 0;	Mismatches 0;	Indels 0; Gaps
QY	1	MTPPPPGGAASARARARVGPAPALGLPLRLRLLLLLMAAASAQGHNRSGPRFAFWKG	60
DB	1	MTPPPPGGAASARARARVGPAPALGLPLRLRLLLLLMAAASAQGHNRSGPRFAFWKG	60
QY	61	HVGQDRVDFGGTEPHYLFHPGSSSVWVGGRGVYLFDPDECKNAAVPRVNIIGSTGSC	120
DB	61	HVGQDRVDFGGTEPHYLFHPGSSSVWVGGRGVYLFDPDECKNAAVPRVNIIGSTGSC	120
QY	121	LDRKDCENYITLLERBSGLLAGCTNARNHPSQWNLVNGTVPLGEMRGVAFSPDENSIV	180
DB	121	LDRKDCENYITLLERBSGLLAGCTNARNHPSQWNLVNGTVPLGEMRGVAFSPDENSIV	180
QY	181	LFEDDEVYSTIRKQEVNKGIPREFRIGESGLYSDTVMNQPOIKATYIHQOQAQYDKI	240
DB	181	LFEDDEVYSTIRKQEVNKGIPREFRIGESGLYSDTVMNQPOIKATYIHQOQAQYDKI	240
QY	241	YFFREDNPDKNPEAPLVNSKVAQLCRGDQGGESSLSVSKMNTFLKAMLYCSDAATYKNF	300
DB	241	YFFREDNPDKNPEAPLVNSKVAQLCRGDQGGESSLSVSKMNTFLKAMLYCSDAATYKNF	300
QY	301	NRLODFVLLPDPSCQMRDTRYGVYFSNPWMTSAVCYSLGDIDKVFPTSSLKGYHSLPN	360
DB	301	NRLODFVLLPDPSCQMRDTRYGVYFSNPWMTSAVCYSLGDIDKVFPTSSLKGYHSLPN	360
QY	361	PRPGKCLPDDQPIETETFEFOVADRIPEVAORPEPMGPLKTLPLFSHKYHQVAVYHNMASH	420
DB	361	PRPGKCLPDDQPIETETFEFOVADRIPEVAORPEPMGPLKTLPLFSHKYHQVAVYHNMASH	420
QY	421	GETEHVLYLTDRGTIHKVYEPGEQEHSAFNIWEIOPFRRAAIQTMSLDAERRKLYAS	480
DB	421	GETEHVLYLTDRGTIHKVYEPGEQEHSAFNIWEIOPFRRAAIQTMSLDAERRKLYAS	480
QY	481	SQMEVSQVPLDLCEVYGGGCHGCLMSADPFCGMDQGCISITYSSERSVDOSINPAENHKE	540
DB	481	SQMEVSQVPLDLCEVYGGGCHGCLMSADPFCGMDQGCISITYSSERSVDOSINPAENHKE	540
QY	541	CPNPKPKAPLQKXSLAPNSXYYSICSMESRHAATYSRHRKENVQOSEPHQSPNCILFI	600
DB	541	CPNPKPKAPLQKXSLAPNSXYYSICSMESRHAATYSRHRKENVQOSEPHQSPNCILFI	600
QY	601	ENLTAQQYGHYFCEAOGSGYFREAQHQWLLPEDGIMAENHLLGHACALAAASLMLGVPLTTL	660
DB	601	ENLTAQQYGHYFCEAOGSGYFREAQHQWLLPEDGIMAENHLLGHACALAAASLMLGVPLTTL	660
QY	661	LGLLVH 666	
DB	661	LGLLVH 666	

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/771,467C  
FILING DATE: 26-Jan-2001  
CLASSIFICATION: <unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: EXEL98-001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 343-4341  
TELEFAX: (650) 343-4342  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 634 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-09-771-467C-2

Query Match 95.2%; Score 3443; DB 9; Length 634;  
Best Local Similarity 100.0%; Pred. No. 9,4e-278;  
Matches 634; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

33 LLLLLMAAASAOGLRSRPRIFAWKGVHGVODRVDFGQTEPHYVLFHPBGSSVWVGR 92  
1 LLLLLMAAASAOGLRSRPRIFAWKGVHGVODRVDFGQTEPHYVLFHPBGSSVWVGR 60  
93 GKVYLFDFPEGNASRYTVNIGSTKSCDCKRDCENYITLLERSSGLLACGINAHPSG 152  
61 GKVYLFDFPEGNASRYTVNIGSTKSCDCKRDCENYITLLERSSGLLACGINAHPSG 120  
153 NMLVNGTVVPLGEMRGAPFSPDENSLVFEDEYVSTIRKQYNGKIPRRIRIGESL 212  
121 NMLVNGTVVPLGEMRGAPFSPDENSLVFEDEYVSTIRKQYNGKIPRRIRIGESL 180  
213 YTSDFVWQNPQIKATIVHODQAYDKIYFFREDNPKNPEAPLWVSRAVLCRGDGG 272  
181 YTSDFVWQNPQIKATIVHODQAYDKIYFFREDNPKNPEAPLWVSRAVLCRGDGG 240  
273 ESSLVSKNNTFLKAMLVCSDAATNKNRLODFLLPDSGQMDTRVYGFSPNWNYS 332  
241 ESSLVSKNNTFLKAMLVCSDAATNKNRLODFLLPDSGQMDTRVYGFSPNWNYS 300  
333 ALCVSLGIDIDVFTSSLKGYHSSLPNRPCKCLPDQOPIPTETFOVADRHEVAQRYE 392  
301 ALCVSLGIDIDVFTSSLKGYHSSLPNRPCKCLPDQOPIPTETFOVADRHEVAQRYE 360  
393 PMGPLKTPLFHSKHYHOKVAVHRMQASHGETFHVLYLTTDRGT IHKVPEGEDEHSAFN 452  
361 PMGPLKTPLFHSKHYHOKVAVHRMQASHGETFHVLYLTTDRGT IHKVPEGEDEHSAFN 420  
453 IMEIQFERAALITMTSLAERKLYVSSQWESQVPLDLCVYGGGCGCLMSRPYCG 512  
421 IMEIQFERAALITMTSLAERKLYVSSQWESQVPLDLCVYGGGCGCLMSRPYCG 480  
513 MDQGRICISYSSERSVLOSINPAEPHKECPNPKPKAPLOKYSIAPNSRYVLSCEPMESH 572  
481 MDQGRICISYSSERSVLOSINPAEPHKECPNPKPKAPLOKYSIAPNSRYVLSCEPMESH 540  
573 ATYSMRHKNVNEOSCEBQSPNCILFIENLTAQOYGHYFCEAOGESYFREAOHWOLLE 632  
541 ATYSMRHKNVNEOSCEBQSPNCILFIENLTAQOYGHYFCEAOGESYFREAOHWOLLE 600  
633 DGTMAEHLGHACALAAASLMLGLVPTLTGLLVH 666  
601 DGTMAEHLGHACALAAASLMLGLVPTLTGLLVH 634

RESULT 4  
US-09-836-077-4  
Sequence 4, Application US/09836077  
Patent No. US20020037851A1  
GENERAL INFORMATION:  
APPLICANT: FLECKENSTEIN, Bernhard  
ENSER, Armin  
TITLE OF INVENTION: HUMAN SEMAPHORIN L (H-SEML) AND  
CORRESPONDING SEMAPHORINS IN OTHER SPECIES  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Frommer Lawrence & Haug LLP  
STREET: 745 Fifth Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10151  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/836,077  
FILING DATE: 16-Apr-2001  
CLASSIFICATION: <unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lawrence, William F.  
REGISTRATION NUMBER: 28,029  
REFERENCE/DOCKET NUMBER: 514429-3647  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-588-0800  
TELEFAX: 212-588-0500  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 394 amino acids  
TYPE: amino acid  
STRANDEDNESS: n/a  
TOPOLOGY: linear  
MOLECULE TYPE: amino acid  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-836-077-4

Query Match 52.5%; Score 1897; DB 10; Length 394;  
Best Local Similarity 90.2%; Pred. No. 1.3e-149;  
Matches 358; Conservative 8; Mismatches 27; Indels 4; Gaps 2;

1 MPPPPGAPASAPRARVGPARGLPRLRLLLMAAASAOGLRSRPRIFAWK 60  
1 MPPPPGAPASAPRARVGPARGLPRLRLLLMAAASAOGLRSRPRIFAWK 59  
61 HVGQDRVDFGQTEPHYVLFHPBGSSVWVGRGVYLFDFPEGNASRYTVNIGSTKSC 120  
60 --GQDVHVFDESOEPHHTVLFHPBGSSVWVGRGVYHFNFPKGNASRYTVNIGSTKSC 117  
121 LKRCQENYITLLERSSGLLACGINAHPSGNTLVNGTVVPLGEMRGAPFSPDENSL 179  
118 LKRCQENYITLLERSSGLLACGINAHPSGNTLVNGTVVPLGEMRGAPFSPDENSL 177  
180 VLFEGDEVYSTIRKQYNGKIPRRIRIGESSELYTSDTVWQNPQIKATIVHODQAYDK 239  
178 VLFEGDEVYSTIRKQYNGKIPRRIRIGESSELYTSDTVWQNPQIKATIVHODQAYDK 237  
240 IYFFREDNPKNPEAPLWVSRAVLCRGDGESSLSVSKNNTFLKAMLVCSDAATNKN 299  
238 IYFFREDNPKNPEAPLWVSRAVLCRGDGESSLSVSKNNTFLKAMLVCSDAATNKN 297  
300 FNRLODFLLPDSGQMDTRVYGFSPNWNYSVAVCVSLGIDIDVFTSSLKGYHSSL 359  
298 FNRLODFLLPDSGQMDTRVYGFSPNWNYSVAVCVSLGIDIDVFTSSLKGYHSSL 357  
360 NRPCKCLPDQOPIPTETFOVADRHEVAQRYEPMGP 396



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; CURRENT APPLICATION NUMBER: US/09/908,193
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 60/220,273
; PRIOR FILING DATE: 2000-07-24
; PRIOR APPLICATION NUMBER: 60/221,650
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/221,233
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: 60/220,912
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/218,875
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/218,870
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/218,901
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 45
; LENGTH: 893
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-908-193-45

Query Match      18.8%; Score 680.5; DB 9; Length 893;
Best Local Similarity 30.1%; Pred. No. 4.8e-48;
Matches 220; Conservative 89; Mismatches 293; Indels 129; Gaps 29;

OY 4 PPPGAAPSAPRAVPAPPA-----RLGL-----PLRLRLLL----- 37
DB 35 PVPSPAEPPEPRDVAALRLMRLRYMGLRLSLAPMGALPPRLLLLLLLLLLLOPP 94
OY 38 ---MAAASAOGLHRSGRPIFAVMKGVGODRVFCQTEPRHYLFHREPPSSSSVWGGRK 94
DB 95 PPTWALSPRISLPLSGSEERPL-----RFEAHSNTYALLLSRQCRTLYVAGARA 145
OY 95 VY-----LFDPEGKNASVRYTVNIGSTGSCLDK-----RDCENYI-TLLERSEGLAC 143
DB 146 LVALSSNLEFLPGEGYQELLMGADAEKQKQCFKCKDPQRCQNYIKILLPLSGHLFPC 205
OY 144 GTNARHPSCW--NLVNGTV-----VPLGEMRGVAPSPDENSLVLEFGEDEVYSTIRKQ 194
DB 206 GTAAFSPMCTYINMENFTLARDEKGNVLLLEDGKRCFPDPNFKSTALVVDGELY-TGTVS 264
OY 195 ENXGKIPRRRIRGESELYTSDTV--MONPOFKATIVHOD---QAYDDKIYFFREDN 248
DB 265 SFOGNDPAISRQSLRPTKTESLNLWLODPAFASAVIPESLGSLOGDDDKIYFFSEGT 324
OY 249 PDKNPEAPLNSRVAOLCRGDQGESLSVSKNFTLKAMLYCSDAATNKNFNRLQDVL 308
DB 325 QEEFEFFENTVSRIRARICGDEGERVLQ-QRWTSFLKQLLCSRPDDGPFNVLDVFT 383
OY 309 LDDPSQMDTRVYGVFSNPNWY-----SAVCYISLGDIDKYF-----RTSSLKGY 354
DB 384 LSPSPQMDWDTLFTYGVTSQMHGRTTEGSAYCVFTMKDVQVFSGLYKEYNREFTQOMYTV 443
OY 355 HSSLPRRGKCLPD--QQPIPETFOVADR-----HPEVAORVEPMGLKTP 401
DB 444 THRPVPRPGACITTNAREKINSSLOLDPKRYLNLKHLMDGQVRSRMLLP----- 498
OY 402 PHSKYHQVAVAHKQASGETFHVLYLTTRDGTIHKVVEPRGEOHSFAFNIMEIOFRR 461
DB 499 ---QATYQVAVAHVRPGLH-HTYDVLFLGTGDRILKHAVSGPRVH----IEELQIFSS 550
OY 462 AAATQMSIDAERRKLYVSSQWEVSQVPLDCEVYGGCGHCIMSPDPYCGMDQGR--I 519
DB 551 GQPVQMLLDTRHGLLYAASHSGVQVPMANCSLY-RSCGDCLLARDPYCAMGSSCKHY 609
OY 520 STYSSE---RSVLOSINPAEPHKEC-----PNPKP-DKAPLOKSLAPNSVYISCPM 568
DB 610 SLTQPOLARPMIODEGASAKDLCSASSVSPSVPTGKRCQEOVQFOFNPNTVNTLACPL 669
OY 569 ESKHATYSWRHK---ENVESQCEPHGQSPNCILFIENLTAAQYGHVFC-EAOGSYFREA 624
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DB 670 LSLATRLMLRNGAPVNASASC---HVLPTGDLTL--VGIQQLGEGRCMSLESGFQQLWA 724
OY 625 QHWQLLPEDGI 635
DB 725 SYCPEVEDGV 735

RESULT 8
US-10-174-590-454
; Sequence 454, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1A2
; CURRENT APPLICATION NUMBER: US/10/174,590
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; PRIOR APPLICATION DATE: 2002-06-18
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-454

Query Match      18.7%; Score 674.5; DB 9; Length 837;
Best Local Similarity 30.5%; Pred. No. 1.4e-47;
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28;

OY 12 SAPRAVPPGPARIGLPLRLRLLL-----MAAASAOGLHRSGRPIFAVMKGVHG 63
DB 13 AAPWGLPPRP-----PLLLLLLLLLLLOPPPTWALSPRISLPLSGSEERPL----- 60
OY 64 QDRVDFCQTEPRHYLVLFHREPPSSSSVWGGRKY-----LFDPEGKNASVRYTVNIGSTG 118
DB 61 --RFEAHSNTYALLLSRQDRTLYVAGARALFALSSNLSFLPGEGYQELLMGADAEKQ 118
OY 119 SCUDK-----RDCENYI-TLLERSEGLACGTNARHPSCW--NLVNGTV-----VPL 163
DB 119 QCSFKGRDQRCQNYIKILLPLSGHLFTCCGTAASPMCTYINMENFTLARDEKGNVLL 178
OY 164 GEMRGVAPSPDENSLVLEFGEDEVYSTIRKQENYNGKIPRRRIRGESELYTSDTV--MON 221
DB 179 EDGKRCRCPDPNFKSTALVVDGELY-TGYVSSFOGNDPAISRQSLRPTKTESLNLWLO 227
OY 222 POFKATIVHOD---QAYDDKIYFFREDNPNKNDPAPLNSRVAOLCRGDQGESLS 277
DB 238 PAFVASAYIPESLGSLOGDDDKIYFFSEGTQEEFEFFENTVSRIRARICGDEGERVLQ 297
OY 278 VSKNFTLKAMLYCSDAATNKNFNRLQDVLPLDPGQMDTRVYGVFSNPNWY-----S 332
DB 298 -QRWTSFLKQLLCSRPDDGPFNVLDVFTLSPSPQMDWDTLFTYGVTSQMHGRTTEGS 356
OY 333 AVCVYSLGDIDKYF-----RTSSLKGYHSSLPNRPGKCLPD--QQPIPETFOVA 381
DB 357 AVCVFTMKDQVRFESGLYKEYNREFTQOMYTVTHRPVPRPGACITTNAREKINSSLOL 416
OY 382 DR-----HPEVAORVEPMGLKTPILFHSKHYQVAVAHKQASGETFHVLYLT 430
DB 417 DRVNLNFKLHFLMDGQVRSRMLLP-----QATYQVAVAHVRPGLH-HTYDVLFLG 467
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OY 431 TGRGTHKVEGEDEHSHAFNIMEIQPRRAAIQTMTSDARERRLLYVSSQWEVSQVPL 490
Db 468 TQDGRHLKRAVSVGRPHIT-----IEEQITSSGQPVONLLDTHRGILLYASHSGVQVPA 523
OY 491 DLCEVYGGGCHGLMSRDYPCGMDQRC--ISISSE---RSVLOSINPAEPHREC---541
Db 524 ANCSLEY-RSCGGCLLTARDYPCAMSGSSCKHVSILYQPLATRPIDQIEGASANDICSAS 582
OY 542 ---PMPKP-DKAPLOKVSILAPNSRYTLCSPMESRHAITYMRHK---ENYQSGEPHQSP 594
Db 583 VVSPSPVPRGEPCEVOYQOPQPTVNTLACPILSNLTATRLMLRNGARVNASASC---HVLP 639
OY 595 NCILFIENLTAAQYGHYFC-EAEOGSGYFPEAQHMOQLPEDGI 635
Db 640 TGDLLL-VGTQOQLGFCQMSLEBQHQLVASYCPREVEDGV 679

RESULT 9
US-10-176-758-454
: Sequence 454, Application US/10176758
: Publication No. US20030008353A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Chen, Jian
: APPLICANT: Desnoyers, Luc
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Smith, Victoria
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3430R1C104
: CURRENT FILING DATE: 2002-06-21
: PRIOR APPLICATION removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 612
: SEQ ID NO 454
: LENGTH: 837
: TYPE: PRP
: ORGANISM: Homo Sapien
US-10-176-758-454

Query Match 18.7%; Score 674.5; DB 9; Length 837;
Best Local Similarity 30.5%; Pred. No. 1.4e-47;
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28

12 SAPRARVGGPPARLGLPLRLRLLLL-----NAAASAGCHLRSPGRITAVWKGHVG 63
13 AAWPGALPRP-----PLLLLLLLLLQPPPTWALSRLSLPGSEERPL-----60
OY 64 QDRVFGGTEPTTYLFHEHGSSVWVGKGY-----LFDEPREGNASVRTVNIIGSTGK 118
Db 61 --REFAEHNSYNTALLSLSDGRTIVYGAENALFALSSNLSLPLGGGYQLWLGADAEKKQ 118
OY 119 SCLDK-----RCCEYNT-TLERSSEGLLAGCTNARHPSCM--NLVNGTV-----VPL 163
Db 119 QCSFSGKDPDRCQNYIKLLPLSGSHLFTCTGAFFSPCTIINNENFTLADDEKGNVLL 178
OY 164 GEMRGYAFSPSPENSILYFEGDEVYSTIKQGYNCKIPFRIRIRGSESLYTSQTV--MON 221
Db 179 EDGKRCRFPDPFRFKTALVYDGLH-TGVSSFOGNDPAISQSILRPKTISSLSLWLDQ 237
OY 222 PQFIKATIVHOD---QAYDDKIYFFREDNDKKNDEAPLANSRYAQLCRGDQGGESSLS 277
Db 238 PAFVASAIVPESLGSLOGDDDKIYFFESSTQGEFFEFENTIVSRIARLCKDGEGERVLD 297
OY 278 VSKWTFELKAMLCGSDATANKNFNLQDYELLDPDSGQMRDTRVYGVSPNPNY-----S 332
Db 298 -QRWTSFLKAQLLCRDPDGFPEFNVLDVFTLSPSPQDMRDTLFGVFTSQMHRGTTEGS 356

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QY 333 ACGVYSLGIDGVE-----RTSSLGYNHSLPNRPKSLDP--QOPIPTENFOYA 381
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 357 AAGCTTACKDVQKRVFSGLYEVNRETDQWYTHNRPVTPRGACITNSAREKRIINSLOLP 416
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 382 DR-----HPEVAORVERPMGLKTPRLFHSKTYOKVAVNHMQASHGETFHYLYLT 430
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 417 DRYLVNLFKDHFLMDQGVNRSRMILLDP-----QARYQRAVNVHVRGLH--HYDYLFLG 467
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 431 TDRGTHKAYGEQEDSHAFNIMELQPRRAAIIOTMSLDAREKKLYSSOMEVSQVPL 490
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 468 TGDGRLLHKVAVSGPRNHI---IEELQIFSSQAPVONMLLDTHNRGLLYAASHGVAQVPM 523
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 491 DLCEVYGGGCHGCLMSRDYCGMDQGRG--ISTYSSE---RSVLOSINPAEBHKEC---- 541
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 524 ANCSLY-RCSGGCLLARDPYCAMSSGSCCHVSLYQQLATRWIDIDEGASAKDLSASS 582
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 542 ---PNPKP-DKAPLQKVS LAPNSRYLYSCSPMESRHAATYSWRHK---ENVEQSCERPQOSP 594
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 583 VSPSEVPPTGKRPCEQVQOPMTVTNLAPLLSLNLTIRLNKGARVNASASC---HVLPR 639
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 595 NCILFLFENLTAQOYGHYFC-ENQEGSYFEADHWOLLPRDGI 635
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 640 TGDLLL--VGTQQLGEFQCWSLEEGFQQLVASYCPREVEDGV 679
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 10
US-10-175-737-454
; Sequence 454, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-454

Query Match 18.7%; Score 674.5; DB 9; Length 837;
Best Local Similarity 30.5%; Pred. No. 1.4e-47;
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28;

QY 12 SAPARAVGPPARLGLPLRLRLLL-----WAAASAGHLRSGPRTPAVKGHVG 63
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 13 AAPGVALPPRP-----PLLLLLLLLLQPPPTWALSPRISLPGSEBRPL----- 60
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 64 QDRVFGQTEPTVLFHBPSSSVWVGGRGVY-----LDFPBECKNMSVTRVNIQSTKG 118
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 61 --RFAEHI SNTALLLSRDGRTLVVGAREALFALSNLSLPGGEYELLGADAERKQ 118
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 119 SCLDK-----RDCENYI-TLLERSEGLIAGCTNARHSCW--NLVNGTV-----VPL 163
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 119 QCSFGRKQPRQDCQYIKILLPLSGSHLFTGCTAFSPMCYTIINMENTLTADEKGNVLL 178
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
QY 164 GEMRGYAFSPDENSVLVFEQDEVYSTIRKQEVNKGIDPRFRRIQSESELVYSDTV--MON 221
      |||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

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Db 179 EDGKRCRPPDPNFKSTALVVDGLY-TGVSSFGQNDPAISRQSLRPTKSSLSLMLD 237  
Qy 222 POEIKATIVHOD---QAYDDKIYFFREDNDKNDPEAPLANSRVAOLCRGOGGESSLS 277  
Db 238 PAFVASAIIPESLGLSGDDDKITFFESGTGQEFFEENTYSRLARICKGDEGERVLO 297  
Qy 278 VSKMNTFLKAMLVCSDAATNKNFNRLQDVFLLPDSGQMDTRVYGVSNPNVY-----S 332  
Db 298 -QRMWSPFLKAQLLCRPPDDGPFENVLDQVFTLSPSPQMDRDLFYGVFTSQMHRGTBGS 356  
-Qy 333 AWCYSLGDDIDKVF-----RTSLKGYHSSLNPRPGCLPD--QOPIETEPVOYA 381  
Db 357 AWCFTMKDVQKRVFSGLYKEVNRFTQWYTVTHVPVTPRPGACTINSAREKINSLOLP 416  
Qy 382 DR-----HPEVAQRYEPMGRPLKTPLFHSKYHYQKVAHBMQASHGETFVLYLT 430  
Db 417 DRLVNLKDLHFLMDQGVNSRMLLDP-----QARQYRAVHVHVPGLH-HTYDVLFLG 467  
Qy 431 TDRGTIHKVVEGEDEHSEFAFNIMEIOPFRRAAIQTMSLDAERKRLVYSSQMEVSOYPL 490  
Db 468 TGDGRLHKAIVSGPRVHI-----IEELQIFSSGQPYQNLLDTHRGLLVLAASHSGVQVPM 523  
Qy 491 DLCEVYGGGCHCCLMSRDPYCGMDGRC--ISYSSSE---RSVLQISINAEPHKSC---- 541  
Db 524 ANCSLY-RSCGCLLARDPYCAWSSGCKHVSLYQPOLATRPWIDIRGASAKDLCSASS 582  
Qy 542 ---PNPKP-DKAPLQKVSIAPNRSRYLSCPMESRHATYSWRHK---ENVEQSCERGHOSP 594  
Db 583 VYSPSFVYTGKPEKQVOGFQPTVNTLACPLLSNLATRLMLNGAPVNASASC---HYLP 639  
Qy 595 NCILFIENILTAQYGHYFC-EAQBEGSYFRQAQWOLPEBDGI 635  
Db 640 TGDLLL--VGTQQLGEFQWLSLEGFOQLVASYCEVEVEDGV 679

RESULT 11  
US-10-173-706-454  
; Sequence 454, Application US/10173706  
; Publication No. US20030022293A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C7  
; CURRENT APPLICATION NUMBER: US/10/173,706  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 454  
; LENGTH: 837  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-706-454

Query March 18.7% Score 674.5; DB: 9; Length 837;  
Best Local Similarity 30.5% Pred. No. 1.4e-47;  
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28;

Qy 12 SAPRAVGPAPRLGLRLRLLL-----WAAASAGHLRSGPRIPAVKMGHV 63  
Db 13 AAPWGLPRLP-----PLLLLLLLLLLQPPPTWALSRLPLGSEERPL----- 60  
Qy 64 QDRVDFGQTEPHTVLHEPBGSSVWVGGRKVV-----LDFPECKNMAVTRVNTIGSTKG 118

Db 61 --RFEAENHSNTALLSNDGRTLYVGAREALFALLSNLSFLPGGEGYQELMGADAEKKQ 118  
Qy 119 SCLDK-----RDCENTY-TLLERSEBGLACSTNARHPSCW--NLVNGTV-----VPL 163  
Db 119 OCSFKGDPQRCQNVYIKILLPLSGSHLFTCCTAFAFSPMCTYINNENFTLARDEKGNVLL 178  
Qy 164 GEMRGVAPSPDENSLYVEGDEGVSTIRKQYKNKIPFRRIIRGSELYTSDV--MGN 221  
Db 179 EDGKRCRPPDPNFKSTALVVDGLY-TGVSSFGQNDPAISRQSLRPTKSSLSLMLD 237  
Qy 222 POEIKATIVHOD---QAYDDKIYFFREDNDKNDPEAPLANSRVAOLCRGOGGESSLS 277  
Db 238 PAFVASAIIPESLGLSGDDDKITFFESGTGQEFFEENTYSRLARICKGDEGERVLO 297  
Qy 278 VSKMNTFLKAMLVCSDAATNKNFNRLQDVFLLPDSGQMDTRVYGVSNPNVY-----S 332  
Db 298 -QRMWSPFLKAQLLCRPPDDGPFENVLDQVFTLSPSPQMDRDLFYGVFTSQMHRGTBGS 356  
-Qy 333 AWCYSLGDDIDKVF-----RTSLKGYHSSLNPRPGCLPD--QOPIETEPVOYA 381  
Db 357 AWCFTMKDVQKRVFSGLYKEVNRFTQWYTVTHVPVTPRPGACTINSAREKINSLOLP 416  
Qy 382 DR-----HPEVAQRYEPMGRPLKTPLFHSKYHYQKVAHBMQASHGETFVLYLT 430  
Db 417 DRLVNLKDLHFLMDQGVNSRMLLDP-----QARQYRAVHVHVPGLH-HTYDVLFLG 467  
Qy 431 TDRGTIHKVVEGEDEHSEFAFNIMEIOPFRRAAIQTMSLDAERKRLVYSSQMEVSOYPL 490  
Db 468 TGDGRLHKAIVSGPRVHI-----IEELQIFSSGQPYQNLLDTHRGLLVLAASHSGVQVPM 523  
Qy 491 DLCEVYGGGCHCCLMSRDPYCGMDGRC--ISYSSSE---RSVLQISINAEPHKSC---- 541  
Db 524 ANCSLY-RSCGCLLARDPYCAWSSGCKHVSLYQPOLATRPWIDIRGASAKDLCSASS 582  
Qy 542 ---PNPKP-DKAPLQKVSIAPNRSRYLSCPMESRHATYSWRHK---ENVEQSCERGHOSP 594  
Db 583 VYSPSFVYTGKPEKQVOGFQPTVNTLACPLLSNLATRLMLNGAPVNASASC---HYLP 639  
Qy 595 NCILFIENILTAQYGHYFC-EAQBEGSYFRQAQWOLPEBDGI 635  
Db 640 TGDLLL--VGTQQLGEFQWLSLEGFOQLVASYCEVEVEDGV 679

RESULT 12  
US-10-175-738-454  
; Sequence 454, Application US/10175738  
; Publication No. US20030022294A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C45  
; CURRENT APPLICATION NUMBER: US/10/175,738  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 454  
; LENGTH: 837  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-738-454

```
Query Match      18.7% Score 674.5 DB 9 Length 837
Best Local Similarity 30.5% Pred. No. 1.4e-47
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28;

QY 12 SAPARVGPAPRGLPLRLRLLL-----WAAASAGHRSRPRIFAAMKGVHG 63
DB 13 AAPGALPPRP-----PLLLLLLLLLLQPPPTWALSRLSLPLGSEERFL----- 60
QY 64 QDRVDFGQTEPHVTLFHEPGSSSYWVGGRGVY-----LFPFGKNAASVTVAIGSTKG 118
DB 61 --REAEHISNYTALLLSRDRGLYVGAREALFALSSNLSPGGEYQELLMGADAEKKQ 118
QY 119 SCLDK-----RDCENYI-TLLERSEGLACGTNARHPSCW--NLVNGTV-----VPL 163
DB 119 QCSFKGDPQDCCONTYIKILPLSGSHLFTCGTAAFSPMCTYIMNENFTLARDEKGVLL 178
QY 164 GEMGYAPFSPDENSLVLFEGDEYVSTIRKQYNGKIPRRFRIGESSELYTSDTV--MON 221
DB 179 EDGKRCPEPDPNFKSTALVVDGELY-TGYVSSFGNDPAISRQSLRPTKTESLNLMD 237
QY 222 POFKATIVHOD-----QAYDKIYFFREDNPKNPEAPLNVSAVQALCRDQGESLS 277
DB 238 PAFVASAVIPESLSLOGDDDKIYFFSETGQEFEEFENTIVSRIARCKDGEGERVLQ 297
QY 278 VSKNNTFLKAMLVCSDAATNKNENRLODVFLPDPSCGMRTRYGVFSNPMNY-----S 332
DB 298 -QRTSFLKALQCLSRPDDGPFENVLDVFTLSPSPQDMRRTLEYGVFTSQMHHGTGEGS 356
QY 333 AVCYYSGLDDIKVF-----RTSSLKGYSLLPMPRCKCLPD--QOPIPETROVA 381
DB 357 AVCYFTKMDVQRFVSGLYKEYNRETQOYTYTHVPTPRPACITTSAREKKINSSLDLP 416
QY 382 DR-----HPEVAORVERPMGPLKTPLFHSHKYHOKAVAHMQASHGETFHVLYLT 430
DB 417 DRYLNFLLKDHFLMDGVRSRMLLQP-----QARYORVAHVHVGELH-HTVDVLELG 467
QY 431 TDRGTIKHVEPGEQHSFAFNIMEIOPFRRAALQTMISDAERKRLYVSSQEVQVPL 490
DB 468 TGDGRLLKAVSVGRVHI-----IELDIFSSGQPVQNLDDTHRGLLYAASHSGVQVPM 523
QY 491 DLCEVYGGGCHGLMSRDPYCGMDQGRG--ISYSS-----RSVLOSINPAEPHKEC----- 541
DB 524 ANCSLY-RSCGDCLLARDPYCAMSGSSCKHVSILQPOLATRPWIODIEGASAKLCSASS 582
QY 542 ---PNKRP-DKAPLOKVS LAPNSRYVLSCPMESRHATYSWRHK---BNVEQSCPEGHQSP 594
DB 583 VSPSEVPTEGKPEQOYQFOBNVTYTLACPLSLMLATRLMRNGAPYNASASC---HYLP 639
QY 595 NCILFIENLTAQOYGHYFC--EAQGSYFREAOHQLLPEDGI 635
DB 640 TGDLL--VGTQOLGFEQWLSLEGFOQLVASYCPEVEEDGV 679

RESULT 13
US-10-175-752-454
; Sequence 454, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
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```
Query Match      18.7% Score 674.5 DB 9 Length 837
Best Local Similarity 30.5% Pred. No. 1.4e-47
Matches 214; Conservative 90; Mismatches 285; Indels 113; Gaps 28;

QY 12 SAPARVGPAPRGLPLRLRLLL-----WAAASAGHRSRPRIFAAMKGVHG 63
DB 13 AAPGALPPRP-----PLLLLLLLLLLQPPPTWALSRLSLPLGSEERFL----- 60
QY 64 QDRVDFGQTEPHVTLFHEPGSSSYWVGGRGVY-----LFPFGKNAASVTVAIGSTKG 118
DB 61 --REAEHISNYTALLLSRDRGLYVGAREALFALSSNLSPGGEYQELLMGADAEKKQ 118
QY 119 SCLDK-----RDCENYI-TLLERSEGLACGTNARHPSCW--NLVNGTV-----VPL 163
DB 119 QCSFKGDPQDCCONTYIKILPLSGSHLFTCGTAAFSPMCTYIMNENFTLARDEKGVLL 178
QY 164 GEMGYAPFSPDENSLVLFEGDEYVSTIRKQYNGKIPRRFRIGESSELYTSDTV--MON 221
DB 179 EDGKRCPEPDPNFKSTALVVDGELY-TGYVSSFGNDPAISRQSLRPTKTESLNLMD 237
QY 222 POFKATIVHOD-----QAYDKIYFFREDNPKNPEAPLNVSAVQALCRDQGESLS 277
DB 238 PAFVASAVIPESLSLOGDDDKIYFFSETGQEFEEFENTIVSRIARCKDGEGERVLQ 297
QY 278 VSKNNTFLKAMLVCSDAATNKNENRLODVFLPDPSCGMRTRYGVFSNPMNY-----S 332
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QY 333 AVCYYSGLDDIKVF-----RTSSLKGYSLLPMPRCKCLPD--QOPIPETROVA 381
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QY 382 DR-----HPEVAORVERPMGPLKTPLFHSHKYHOKAVAHMQASHGETFHVLYLT 430
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QY 431 TDRGTIKHVEPGEQHSFAFNIMEIOPFRRAALQTMISDAERKRLYVSSQEVQVPL 490
DB 468 TGDGRLLKAVSVGRVHI-----IELDIFSSGQPVQNLDDTHRGLLYAASHSGVQVPM 523
QY 491 DLCEVYGGGCHGLMSRDPYCGMDQGRG--ISYSS-----RSVLOSINPAEPHKEC----- 541
DB 524 ANCSLY-RSCGDCLLARDPYCAMSGSSCKHVSILQPOLATRPWIODIEGASAKLCSASS 582
QY 542 ---PNKRP-DKAPLOKVS LAPNSRYVLSCPMESRHATYSWRHK---BNVEQSCPEGHQSP 594
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DB 640 TGDLL--VGTQOLGFEQWLSLEGFOQLVASYCPEVEEDGV 679

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; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddowski, Paul J.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/176,482
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?      APPLICANT: Pan,James
?      APPLICANT: Smith,Victoria
?      APPLICANT: Watanabe,Colin K.
?      APPLICANT: Wood,William I.
?      APPLICANT: Zhang,Zemin
?      TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
?      TITLE OF INVENTION: ACIDS ENCODING THE SAME
?      FILE REFERENCE: P3430R1C70
?      CURRENT APPLICATION NUMBER: US/10/176,482
?      CURRENT FILING DATE: 2002-06-20
?      Prior Application removed - See File Wrapper or Palm
?      NUMBER OF SEQ ID NOS: 612
?      SEQ ID NO 454
?      LENGTH: 837
?      TYPE: PRT
?      ORGANISM: Homo Sapien
?      10-176-482-454

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Dd 640 TGDLLT--VFQIQLGEGFEFCWGLECGFOQIVASYSPREVEEDGV 679

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